

**TOTAL ASSET VISIBILITY**

**AND**

**IN-TRANSIT  
VISIBILITY**

# TERMINAL LEARNING OBJECTIVE

- DESCRIBE AND DEFINE TOTAL ASSET VISIBILITY
- DESCRIBE AND DEFINE IN-TRANSIT VISIBILITY
- IDENTIFY SUB-ELEMENTS OF TAV
- EXPLAIN TAV AND ITV STAMIS INTERRELATIONSHIP

# DEFINITION

## TAV:

Is the ability for both logistics and operational managers to obtain and act on information on the location, quantity, condition, movement, and status of DOD assets. TAV includes all levels and all secondary items, both consumable and repairable. In addition the TAV capability is the Army initiative that provides visibility on the status, condition, and location of all classes of supply by consolidating a variety of logistical management related data from existing STAMIS.

# DEFINITION

ITV:

ITV is a component of TAV. ITV is a capability that uses Radio Frequency / Automated Identification (RF/AIT) designed to provide the logistics customer with maximum visibility and real-time status on the movement of all classes of supply. It identifies, locates, and tracks the movement of all classes of supply from source of supply to user. By using RF data storage tags and various communication technologies, this is a global inter-service system.

# BACKGROUND

## TAV

- Poor asset visibility during WWII, Korea, Vietnam, and Desert Shield/Storm
- Lessons Learned
- Component of the Battlefield Distribution Action Plan
- Evolved into a capability to retrieve worldwide asset information

## ITV

- System is computer based

**The Law : Garbage in = Garbage Out**

- Tracks by NSN or part number, lot number, requisition number, TCN, DODIC, quantity, and Global Positioning Location (GPS)

# Information and Supply Flow



"This is LTC Jack, Where is the Thermal sight I ordered?"

*48 hours later, BDE XO calls the 53D FSB shop officer!*

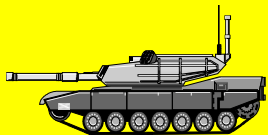
"Sir, I will have you an answer in five minutes"



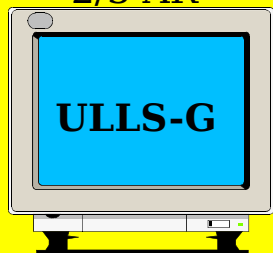
**Bull Army Depot**

9 Thermal sites on hand

*M1A2 goes NMC for a Thermal sight*



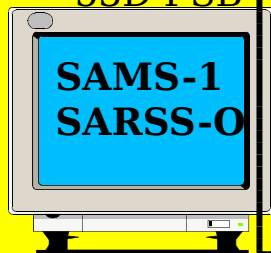
A-CO  
2/3 AR



OH = 0



53D FSB



OH = 0



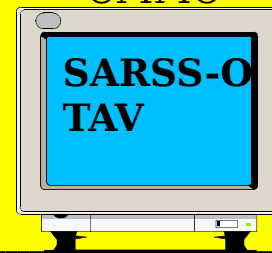
23D MSB



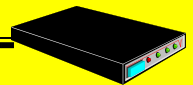
OH = 0



2D COSCOM  
CMMC

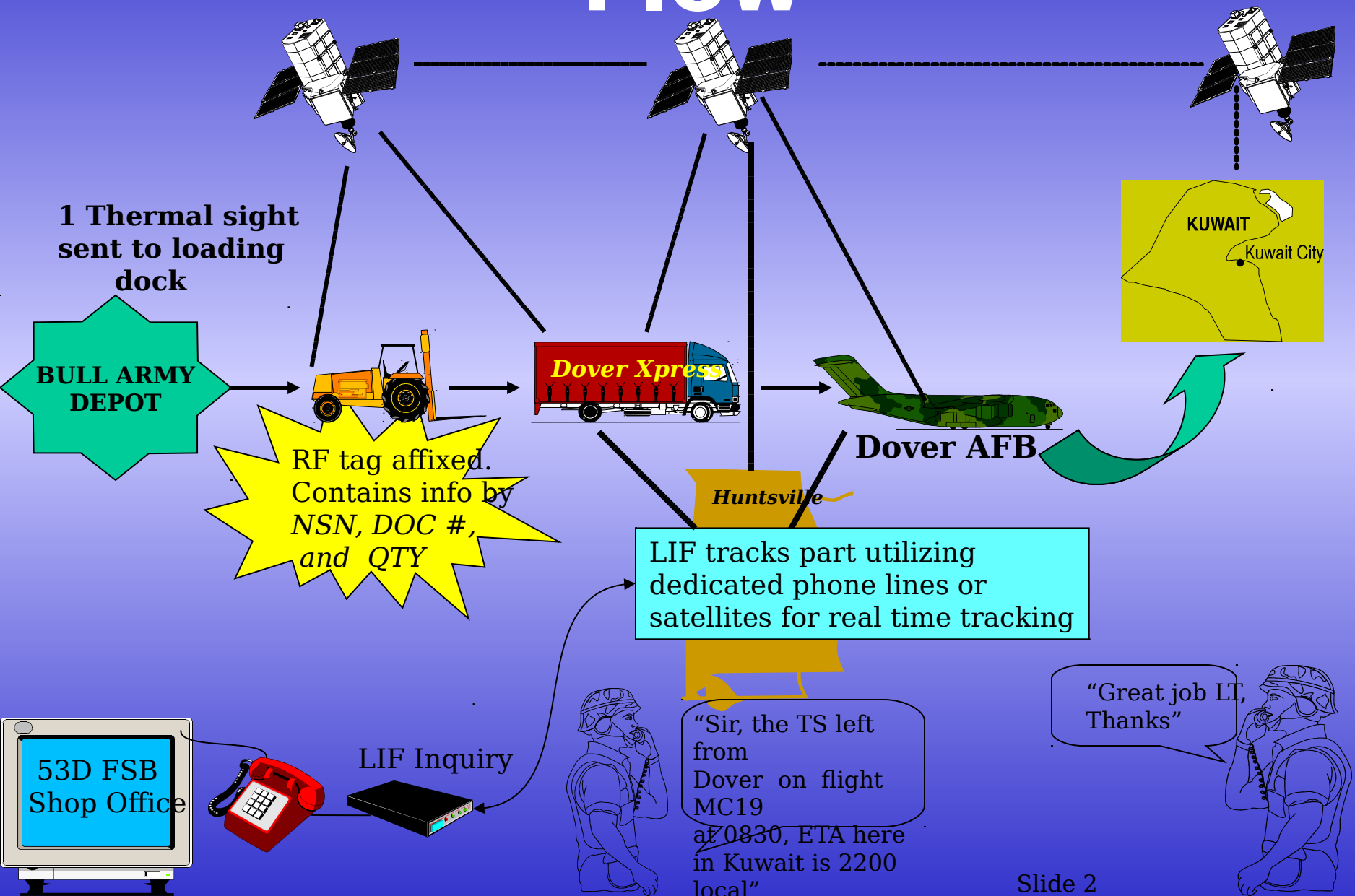


OH = 0

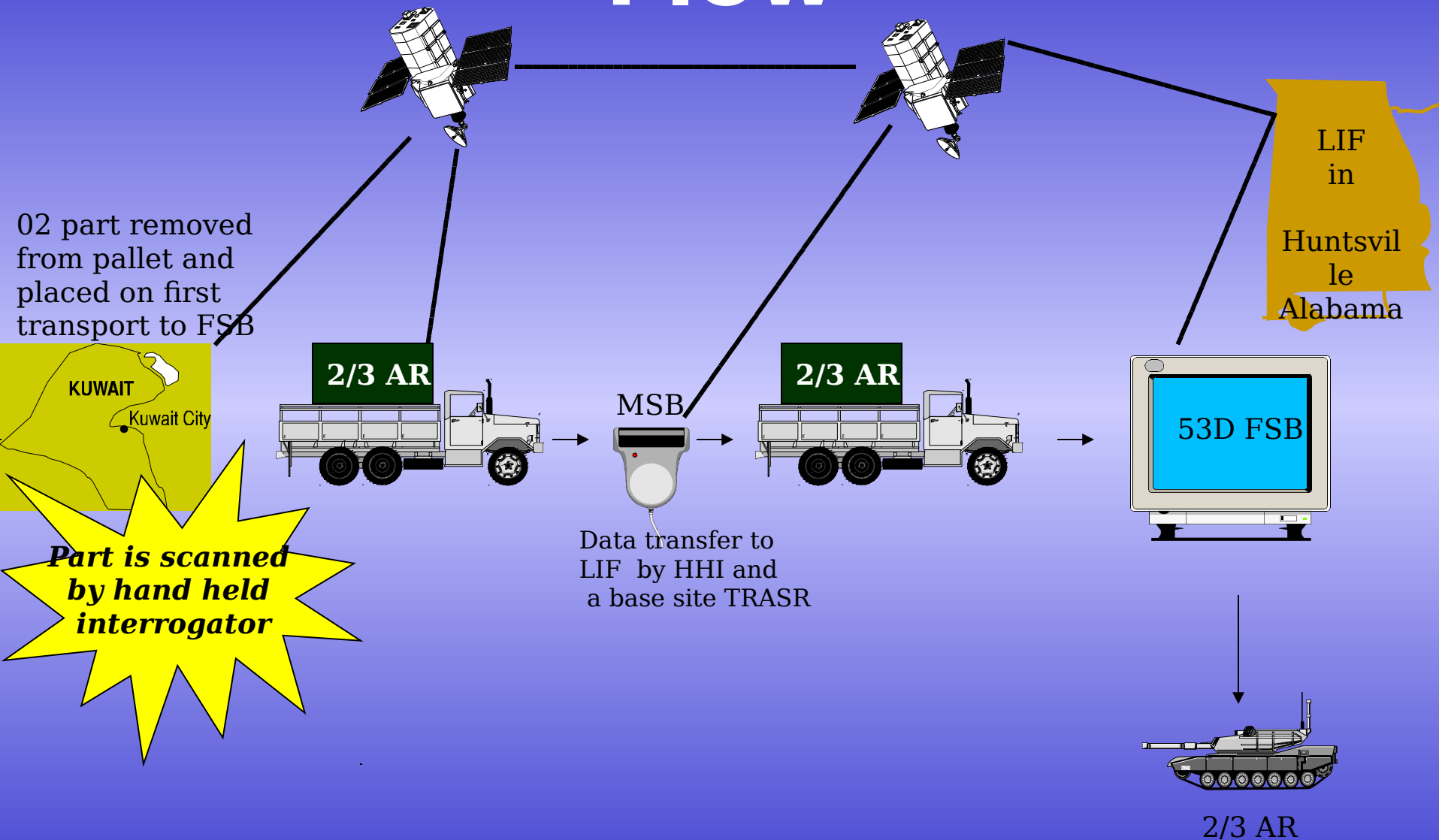


8 MINUTES

# Information and Supply Flow



# Information and Supply Flow



# SUB-ELEMENTS

TOTAL ASSET VISIBILITY CONSISTS  
OF:

## ASSET VISIBILITY VISIBILITY

Visibility of anything  
materiel  
the Army owns, uses,  
the pipeline  
stocks or stores

## IN-TRANSIT

Visibility of  
moving through

# WHAT DOES TAV DO?

- Retrieve information from existing STAMIS
- Provides visibility of materiel in-use/ in-storage/ in-process/ in-transit
- Provides visibility by weapon system relationship
- Supports over 3000 users

# WHAT DOES TAV DO?

## Continued...

- Enables managers to pinpoint assets worldwide and use that information to manage existing inventories
- Data can be used to make timely and accurate decisions on inventory management/ procurement, requisition status and redistribution at all levels from wholesale to retail

# TAV: A SINGLE SOURCE OF INFORMATION

- TAV assimilates data from as many as 42 databases
- TAV is a technical capability, not a system that accesses existing data in current STAMIS
- TAV captures data from a variety of Standard Army Management Information Systems (STAMIS) including ULLS, SAMS, SARSS, and SAAS-MOD.

# **TAV: A SINGLE SOURCE OF INFORMATION continued...**

- TAV provides access to information which supports decision making
- TAV design system is “open” and accommodates changing and emerging data

# TAV SUPPORTING TECHNOLOGIES

- Automatic Identification Technology
  - automates source data
  - offers fast and accurate data capture, retrieval and transmission
- Radio Frequency Identification Technology
  - links the information about the contents and location of cargo to information systems
  - captures the data necessary to feed TAV. Has proven to be the technology of choice for the TAV initiative

# TAV SUPPORTING TECHNOLOGIES continued...

- RF technologies has the capability to provide asset visibility information whether the supplies are in port, staging area, cargo transfer point, or ammunition storage point

# BENEFITS

## TAV

- Save money
- Reduction in inventories and procurement, increased readiness levels, and overall improved management of assets Army-wide.
- Complete visibility of assets by weapon system, organization, location quantity and condition.
- A better way to manage existing inventories

# BENEFITS

## ITV

- Streamlines the logistics support provided to soldiers in the field
- Integrates the transportation system into a seamless logistics system
- In its end-state it will be free commanders and their staffs to focus more effort on the mission and caring for soldiers

# SUMMARY

- TAV is a comprehensive initiative that improves visibility of assets the Army owns, uses, stores, or transports.
- TAV and ITV are part of the Total Battlefield Distribution System.
- TAV sub-elements are asset visibility and in-transit visibility

# SUMMARY

## continued...

- ITV is the movement and storage component of TAV
- RF tagging and tracking feeds many automated systems
- TAV/ITV provide great advantage to leaders

# WEB REFERENCES

US Transportation Command Website  
Global Transportation Network:  
<http://www.gtn.scott.af.mil>